

FIG. 1

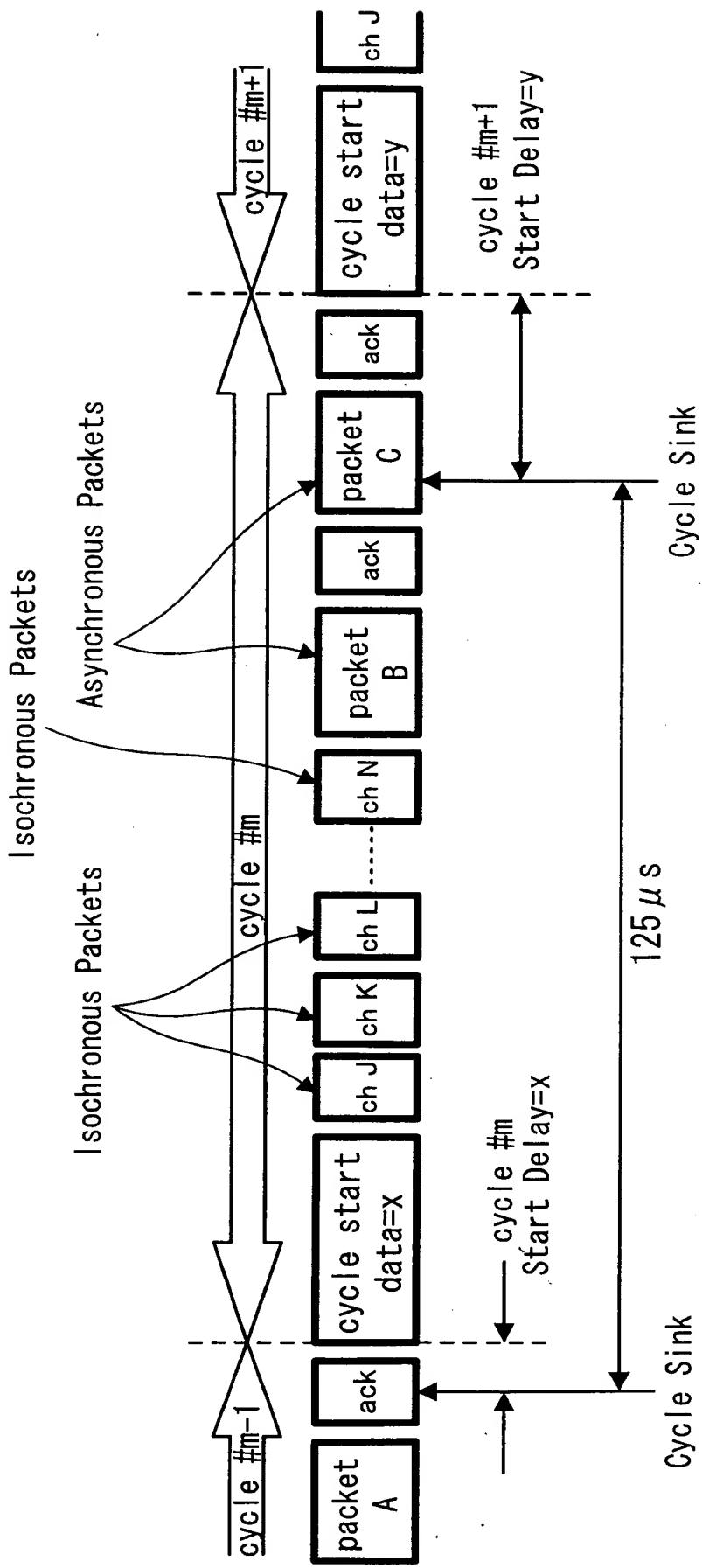


FIG. 2

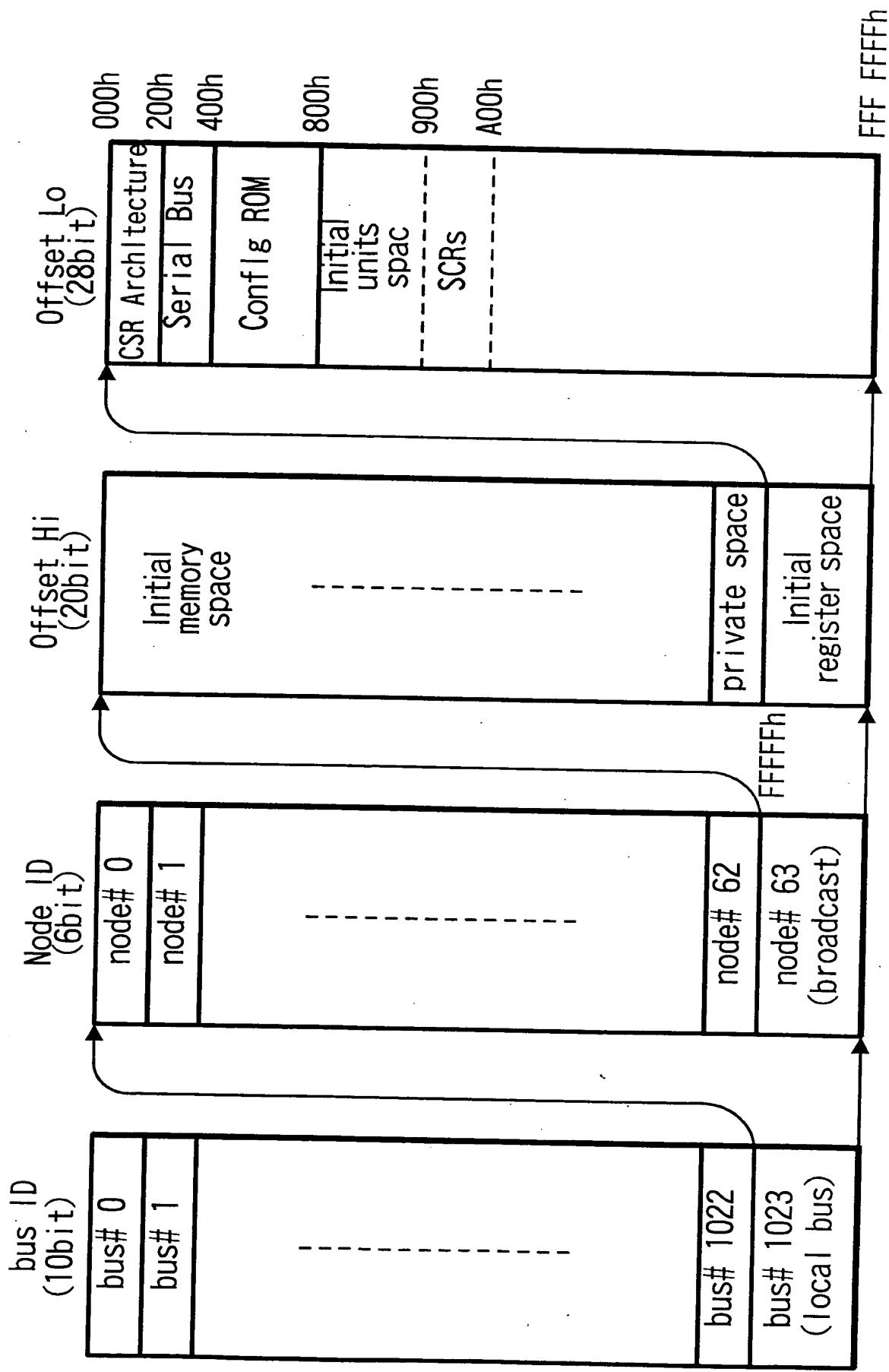


Fig. 3

Offset	Designation	Function
000h	STATE_CLEAR	State and control data
004h	STATE_SET	Set state_clear bit
008h	NODE_IDS	Indicate node ID of 16 bits
00Ch	RESET_START	Start command reset
018h-01Ch	SPLIT_TIMEOUT	Specify maximum time of split
200h	CYCLE_TIME	Cycle time
210h	BUSY_TIMEOUT	Specify limit on retry
21Ch	BUS_MANAGER	Indicate ID of bus manager
220h	BANDWIDTH_AVAILABLE	Indicate band that can be assigned to isochronous communication
224h-228h	CHANNELS_AVAILABLE	Indicate the state where the channels are used

FIG. 4

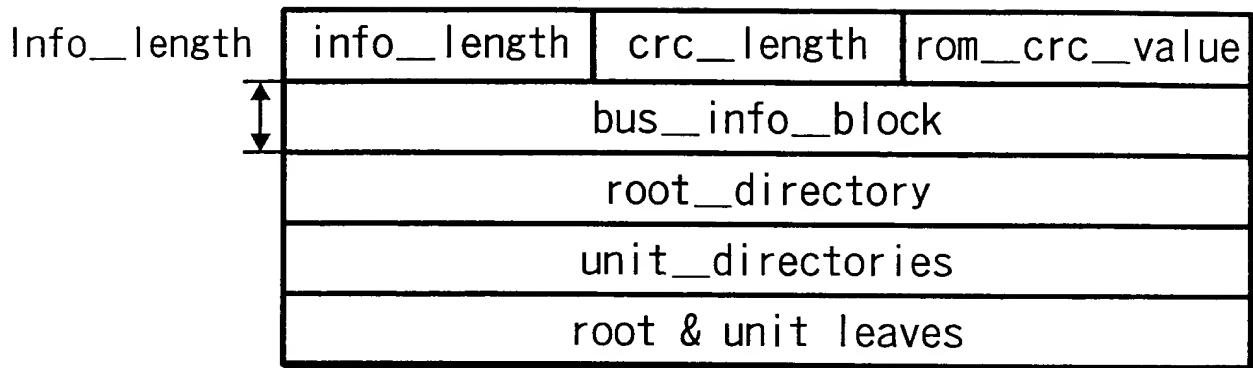


FIG. 6

900h	Output Master Plug Register
904h	Output Plug Control Register #0
	Output Plug Control Register #1
	⋮
97Ch	Output Plug Control Register #30
980h	Input Master Plug Register
984h	Input Plug Control Register #0
988h	Input Plug Control Register #1
	⋮
9FCh	Input Plug Control Register #30

FIG. 5_{400h}

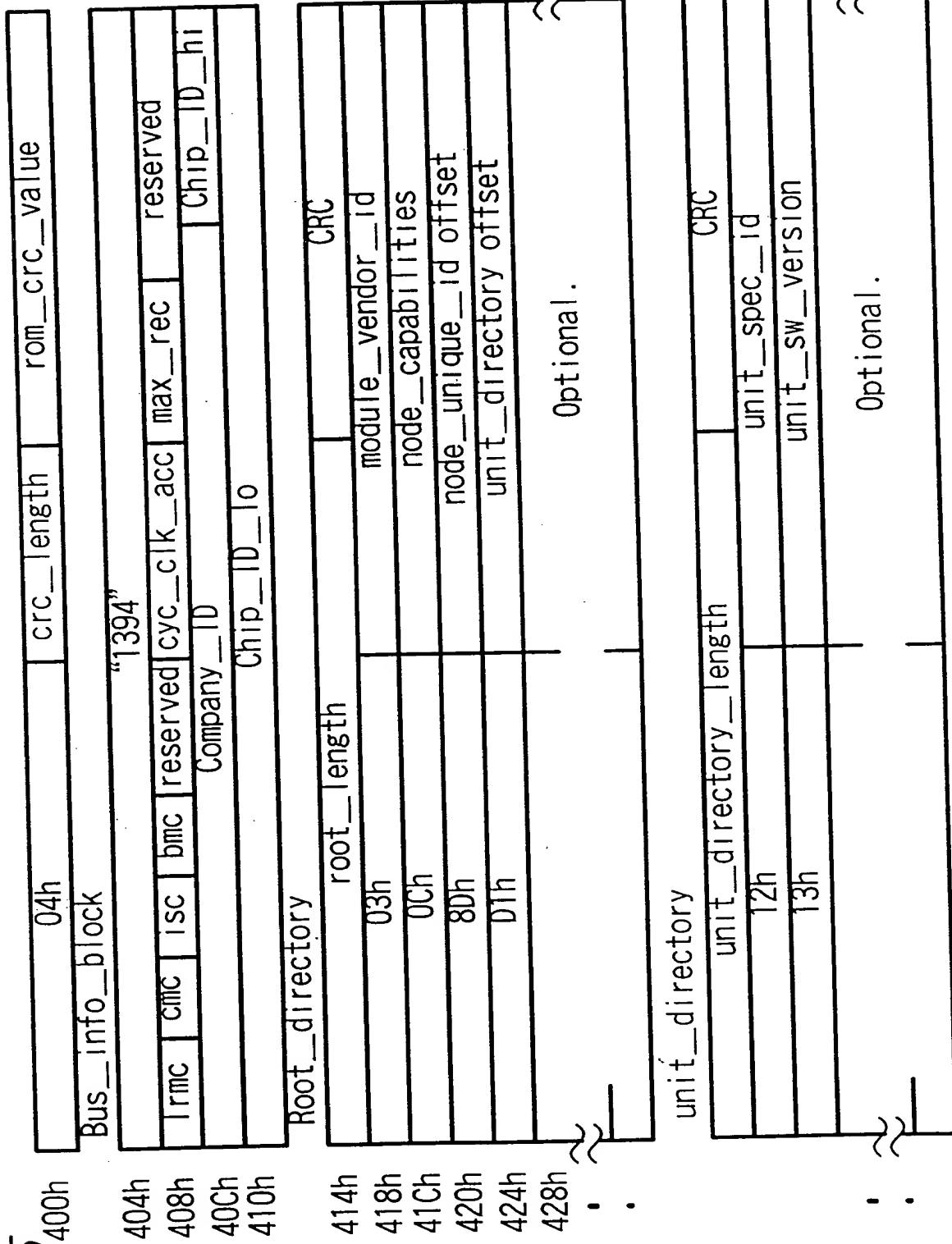


FIG. 7A

oMPR

data rate capability	Broadcast channel base	non-persistent extension field	persistent extension field	reserved	number of output plugs
2	6	8	8	3	5 (bit)

FIG. 7B

OPCR [n]

on-line	Broadcast connection counter	point-to-point connection counter	reserved	channel number	data rate	overhead ID	payload
1	1	6	2	6	2	4	10 (bit)

FIG. 7C

iMPR

data rate capability	reserved	non-persistent extension field	persistent extension field	reserved	number of input plugs
2	6	8	8	3	5 (bit)

FIG. 7D

iPCR [n]

on-line	Broadcast connection counter	point-to-point connection counter	reserved	channel number	reserved
1	6	2	6	16	16 (bit)

FIG. 8

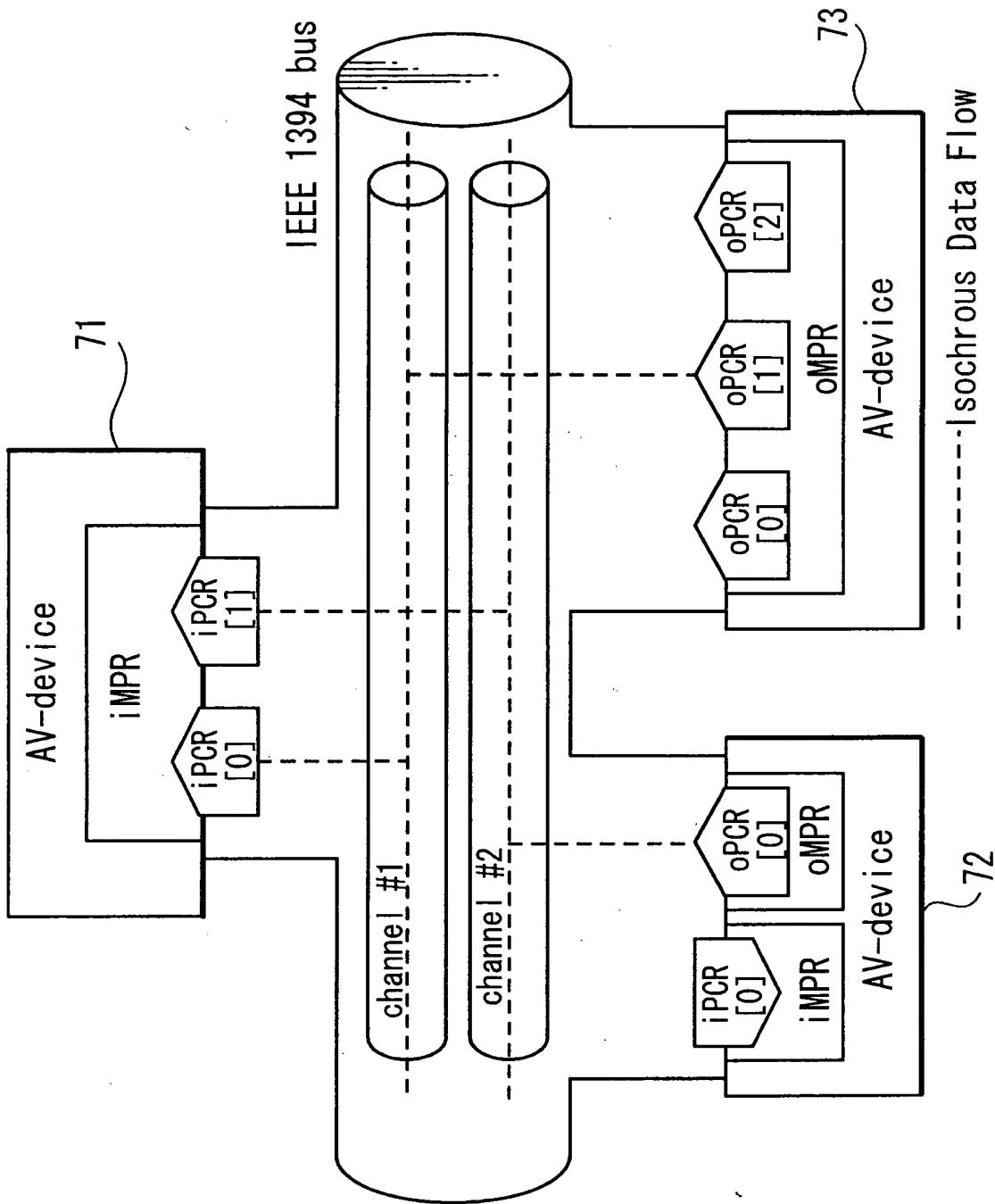


FIG. 9

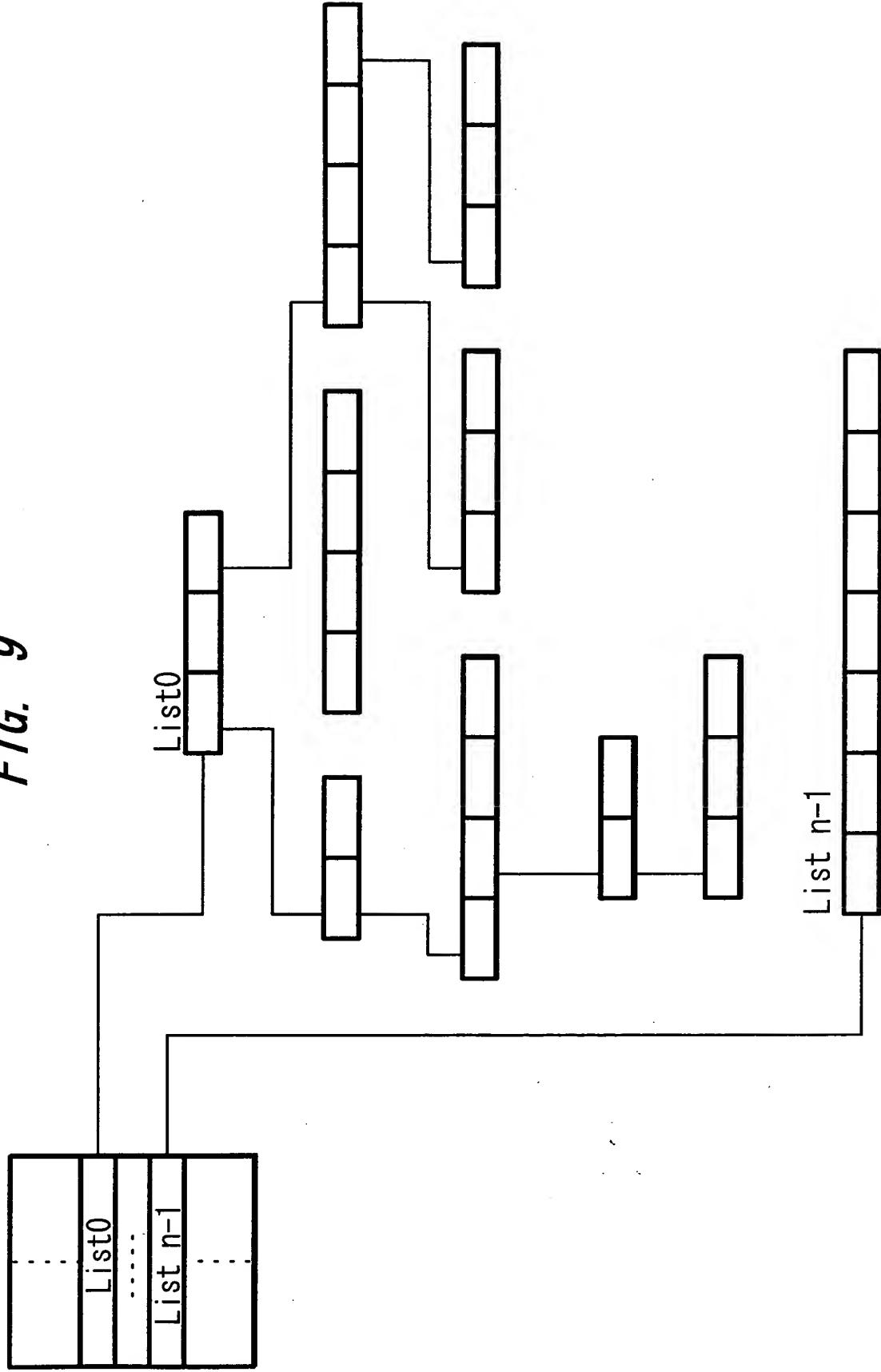


FIG. 10

The General Subunit Identifier Descriptor	
address	contents
00 0016	descriptor_length
00 0116	
00 0216	generation_ID
00 0316	size_of_list_ID
00 0416	size_of_object_ID
00 0516	size_of_object_position
00 0616	number_of_root_object_lists(n)
00 0716	
00 0816	root_object_list_id_0
:	
:	
	root_object_list_id_n-1
:	
	subunit_dependent_length
:	
	subunit_dependent_information
:	
	manufacturer_dependent_length
:	
	manufacturer_dependent_information
:	

FIG. 11

generation_ID values	
generation_ID	meaning
0016	Data structures and command sets as specified in the AV/C General Specification, version 3.0
all others	reserved for future specification

FIG. 12

List ID Value Assignment Ranges	
range of values	list definition
0000 ₁₆ -OFFF ₁₆	reserved
1000 ₁₆ -3FFF ₁₆	subunit-type dependent
4000 ₁₆ -FFFF ₁₆	reserved
1 000 ₁₆ -max list ID value	subunit-type dependent

FIG. 13

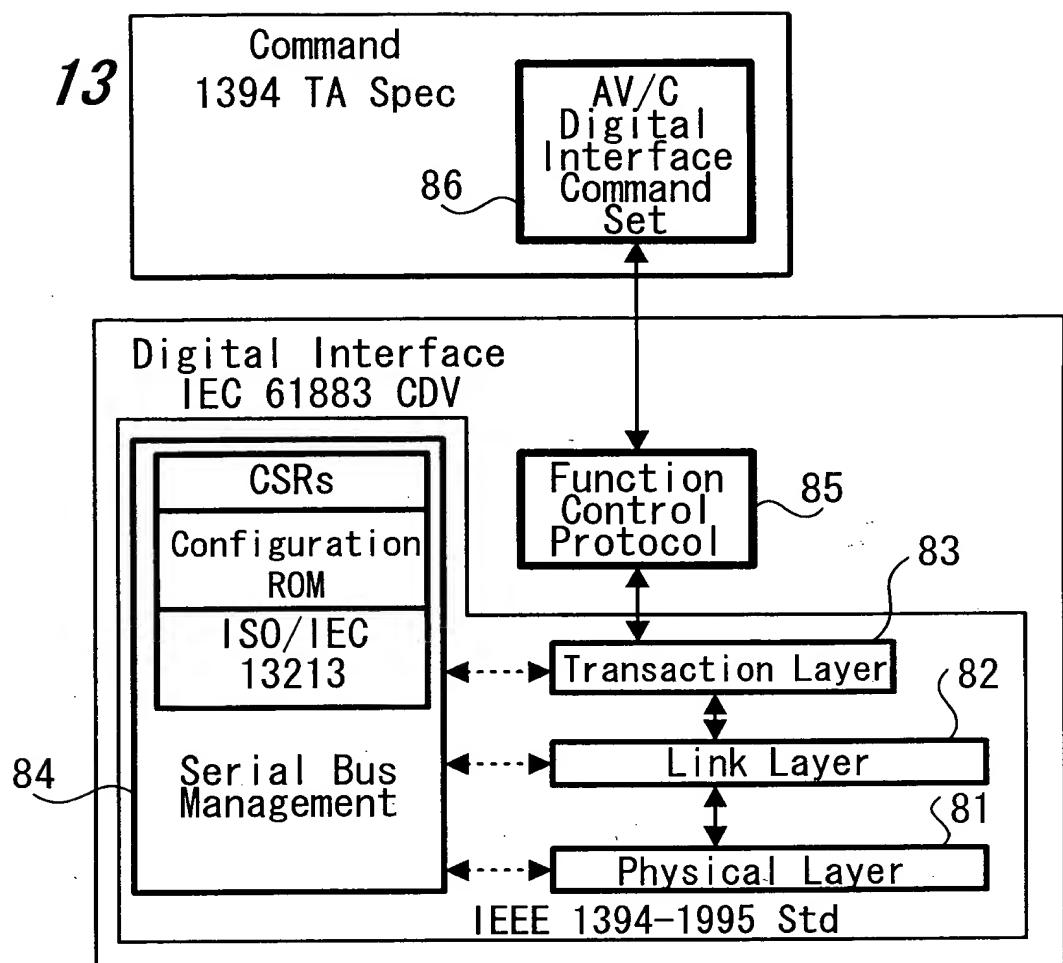


FIG. 14

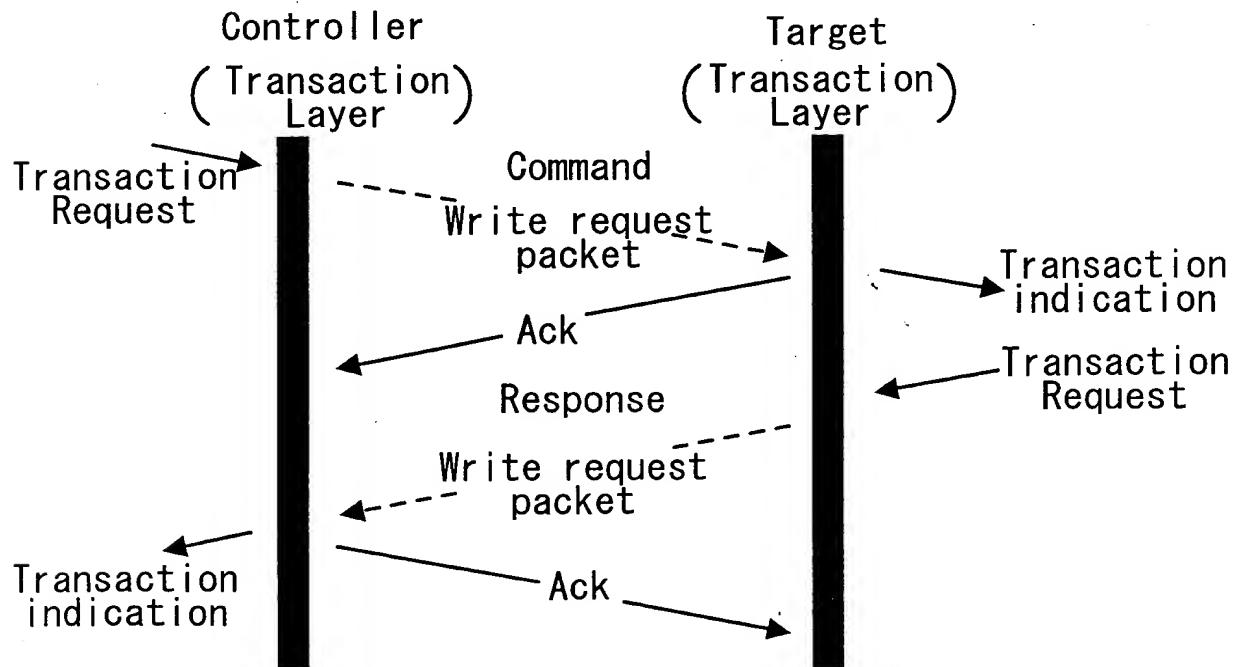


FIG. 15

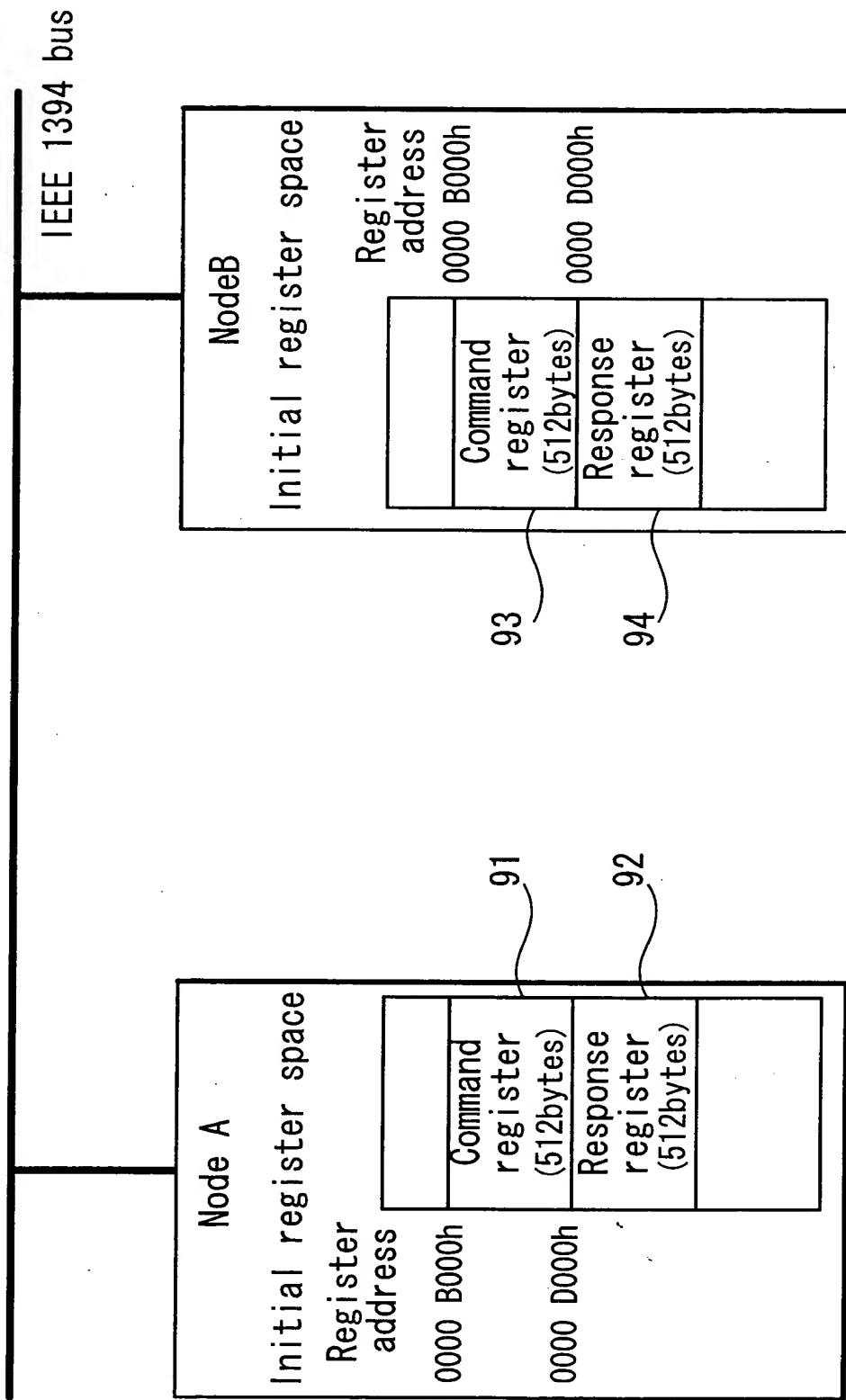
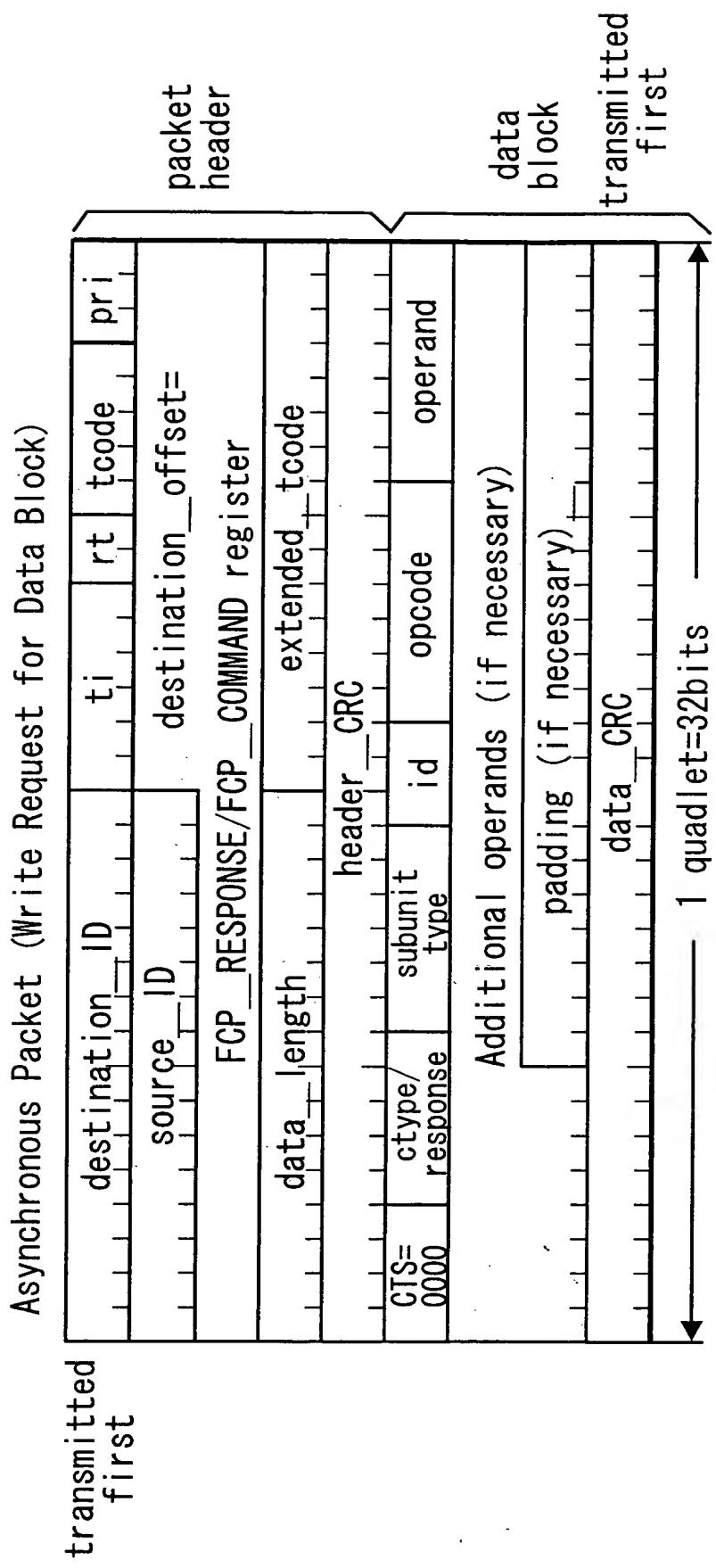


FIG. 16



ctype/response			
Command	0000	CONTROL	
	0001	STATUS	
	0010	SPECIFIC INQUIRY	
	0011	NOTIFY	
	0100	GENERAL INQUIRY	
	0101	(reserved for future specification)	
	0111		
	1000	NOT IMPLEMENTED	
	1001	ACCEPTED	
	1010	REJECTED	
	1011	IN TRANSITION	
	1100	IMPLEMENTED/STABLE	
	1101	CHANGED	
	1110	(reserved for future specification)	
	1111	INTERIM	

FIG. 17A

ctype/response		subunit_type	opcode : Operation Code
Command	0000	00000	00h VENDOR-DEPENDENT
	0001	~	50h SEARCH MODE
	0010	00000	51h TIMECODE
	0011	ATN	52h
	0100	Tape recorder/Player	60h OPEN MIC
	0101	Tape recorder/Player	61h READ MIC
	0111	Tuner	62h WRITE MIC
	1000	Video monitor (reserved)	63h LOAD MEDIUM
	1001	Disc recorder/Player	C1h RECORD
	1010	Tape recorder/Player	C2h PLAY
	1011	Video Camera (reserved)	C3h WIND
	1100	Vendor unique (reserved)	C4h ?
	1101	Subunit type extended to next byte	
	1110	Unit *	
	1111		

FIG. 17B

FIG. 17C

AV/C	control	tape recorder /player	when ID 0	PLAY	FORWARD
CTS= 0000	ctype= 0000	subunit type=00100	i d=000	opcode=C3h	operand= 75h
AV/C accepted	response =1001	tape recorder /player	ID 0	PLAY	FORWARD

FIG. 18A

FIG. 18B

FIG. 19

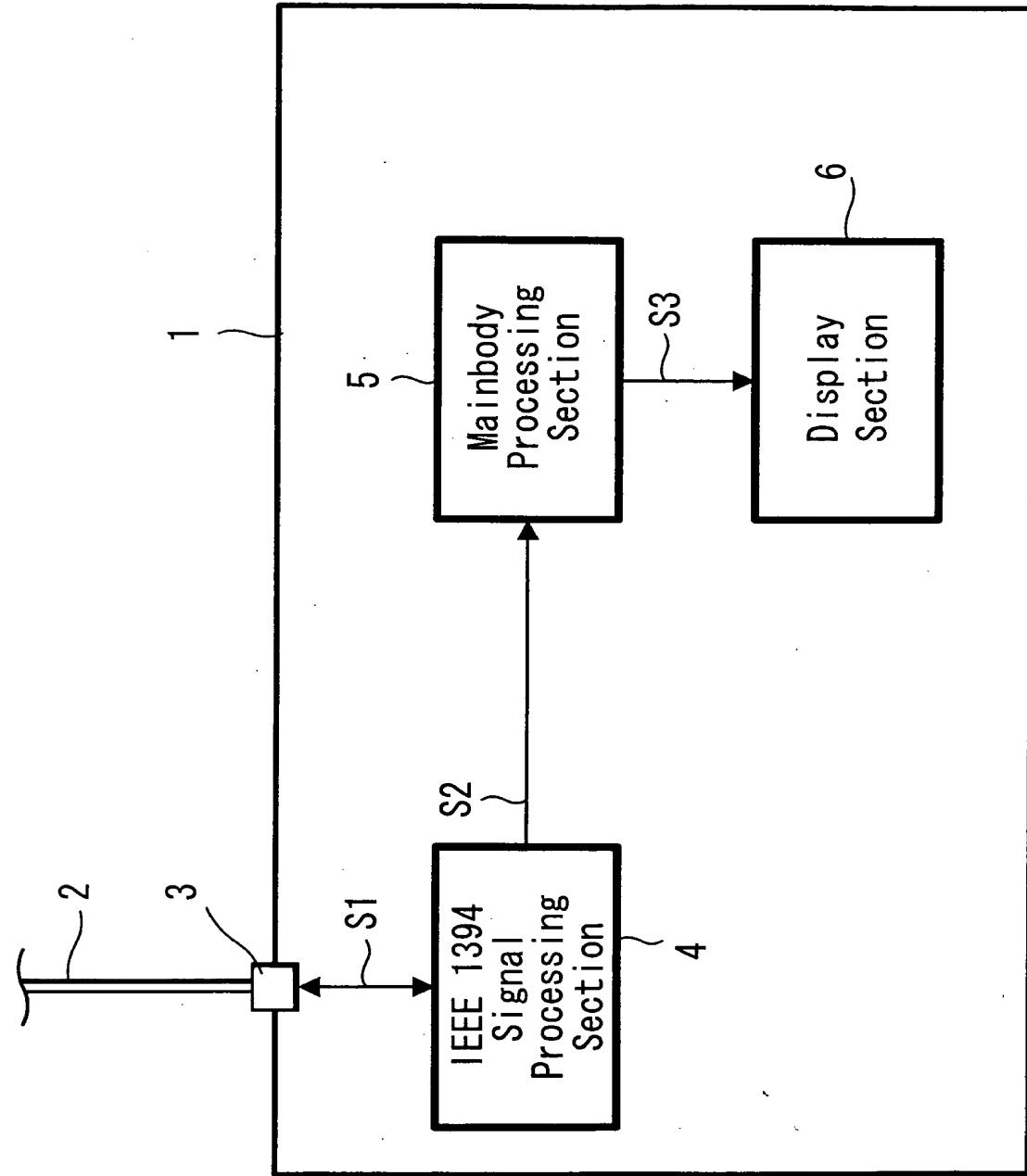


FIG. 20

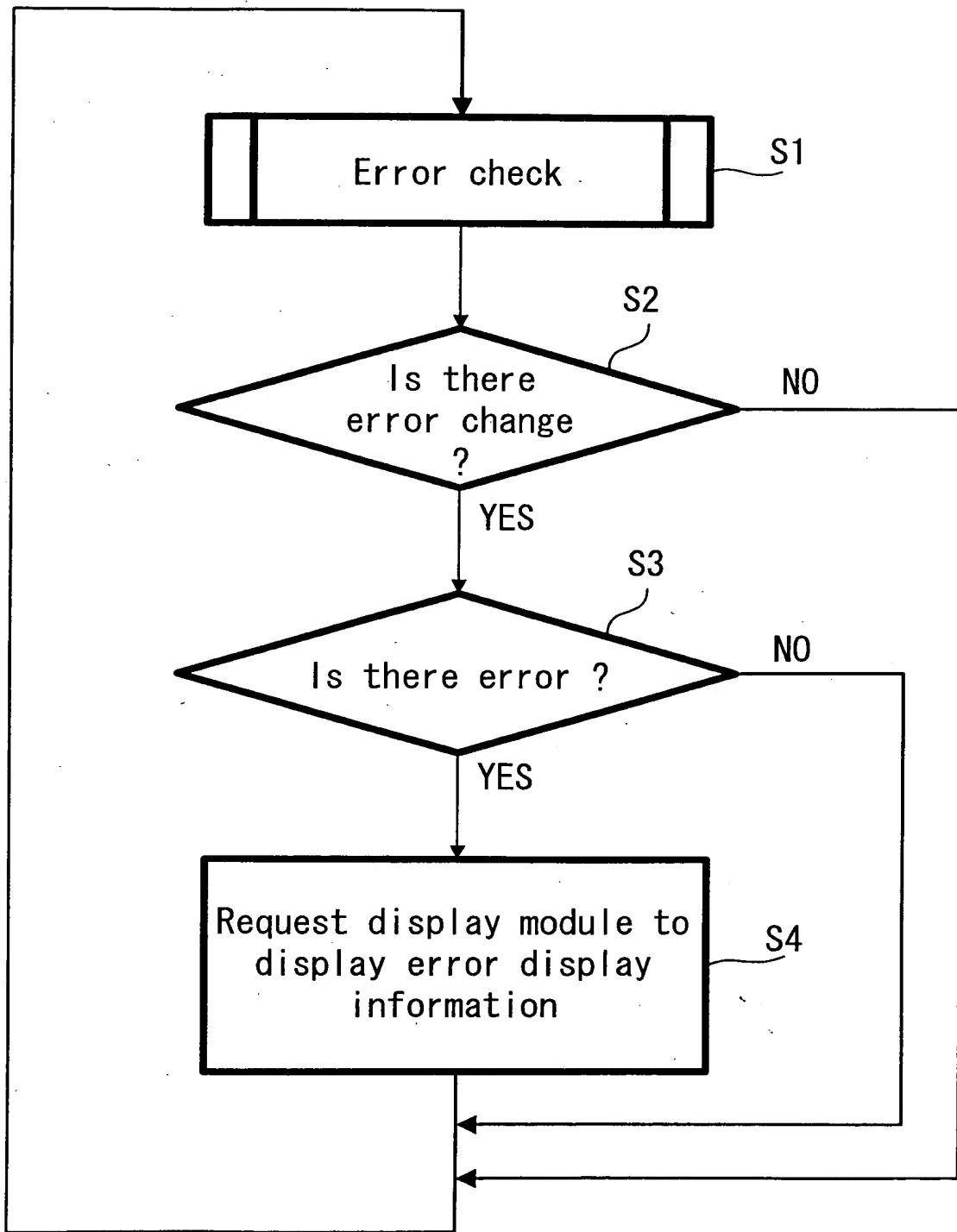


FIG. 21

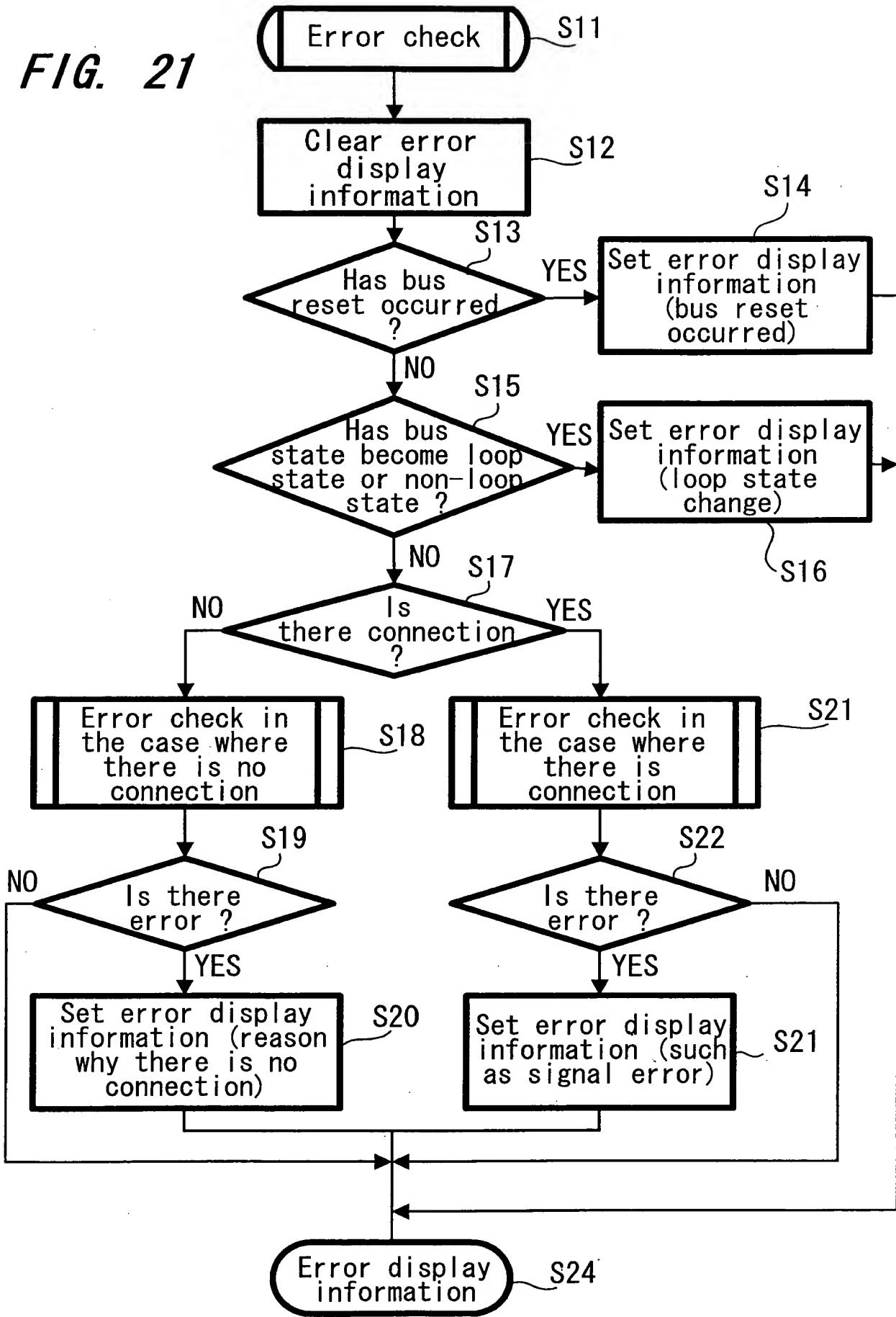


Fig. 22 Error check in the case where there is no connection

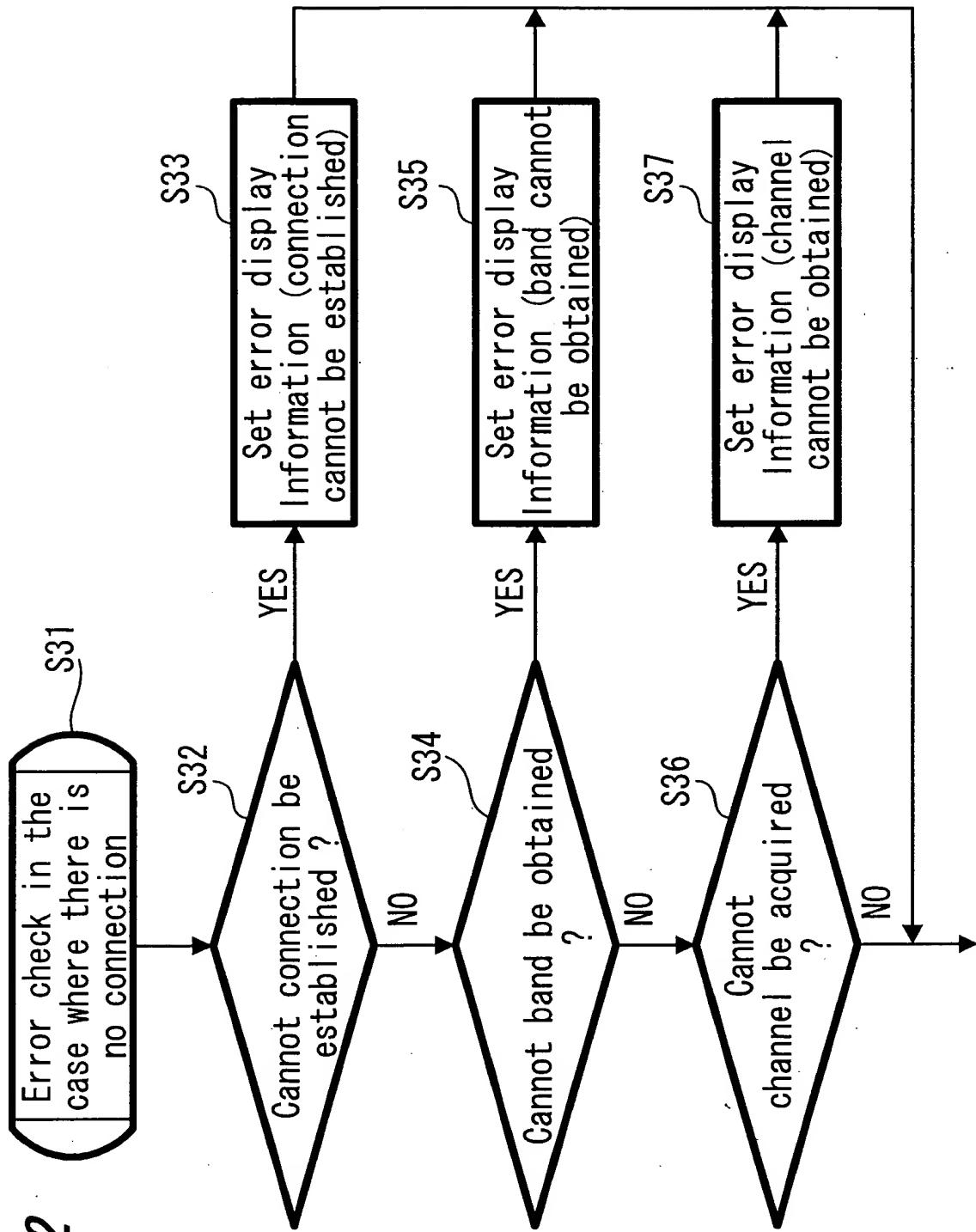


FIG. 23

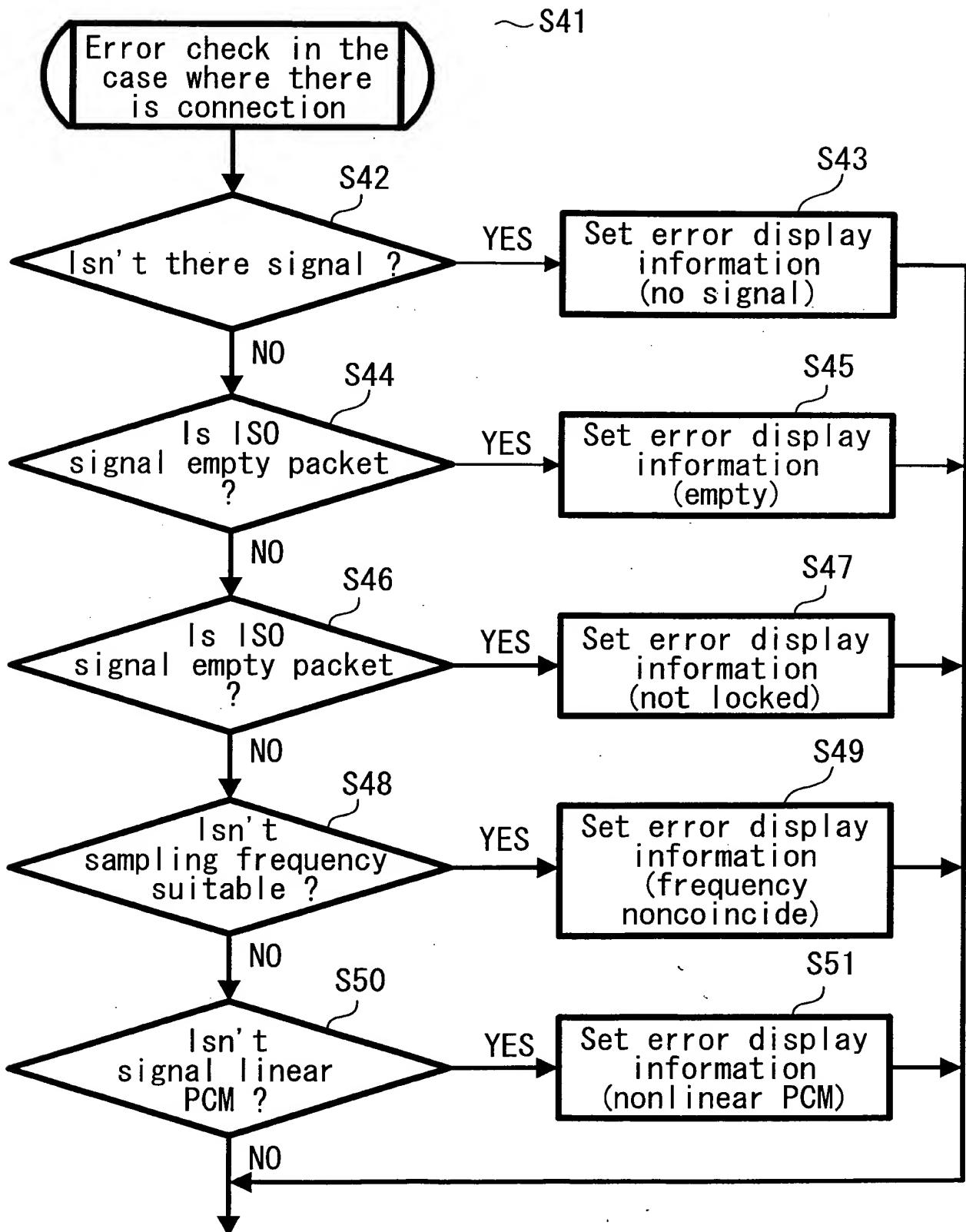


FIG. 24

61

62

error code number (example)	display message
C78:11 (At the time of device selection)	The selected is connection 63 links and it cannot cope with more links.
C78:12 (TUNER, ANALOG)	SIR has 63 formed links and it cannot have more links.
C78:22. 22	The case where a different format (signal where cannot be reproduced) it detected
C78:22. 23	
C78:22. 25	
C78:22. 26	
C78:31	The case where the signal clock is out of standard values and the plock is not established
C78:04	The case where there are not input signals at all during selection of a connection device
C78:15. 13	Since bus is full of signals output or input cannot be conducted
C78:15. 14	
C78:15. 15	
C78:15. 33	
C78:03	Loop has been formed by cable connection
C78:00	Bus reset has occurred (for example in the case where new device is connected)
C60:01	Temperature within the device is rising
C60:08	Speaker terminal is short-circuited
C60:13	Selected device is not connected

FIG. 25

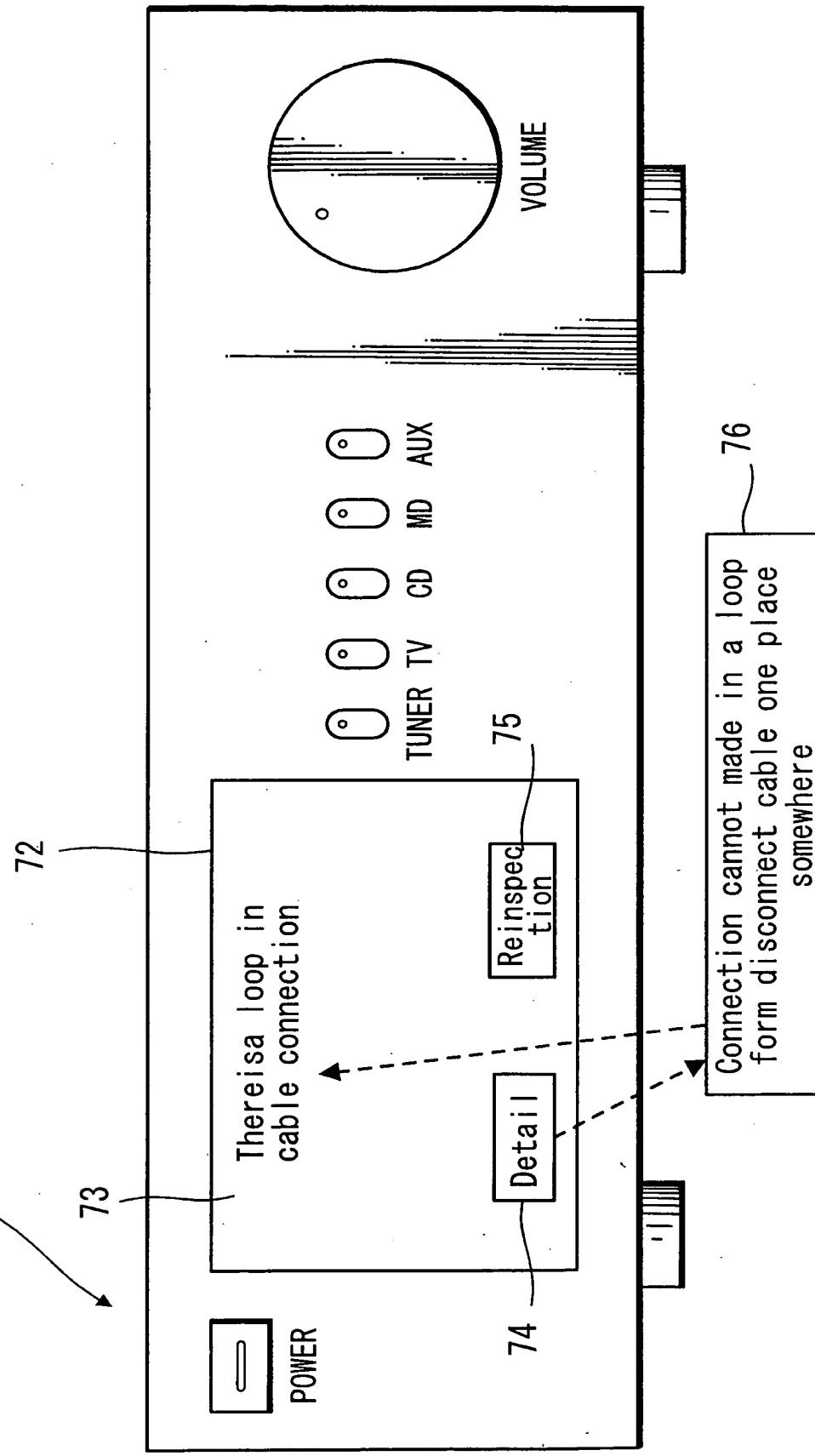


FIG. 26

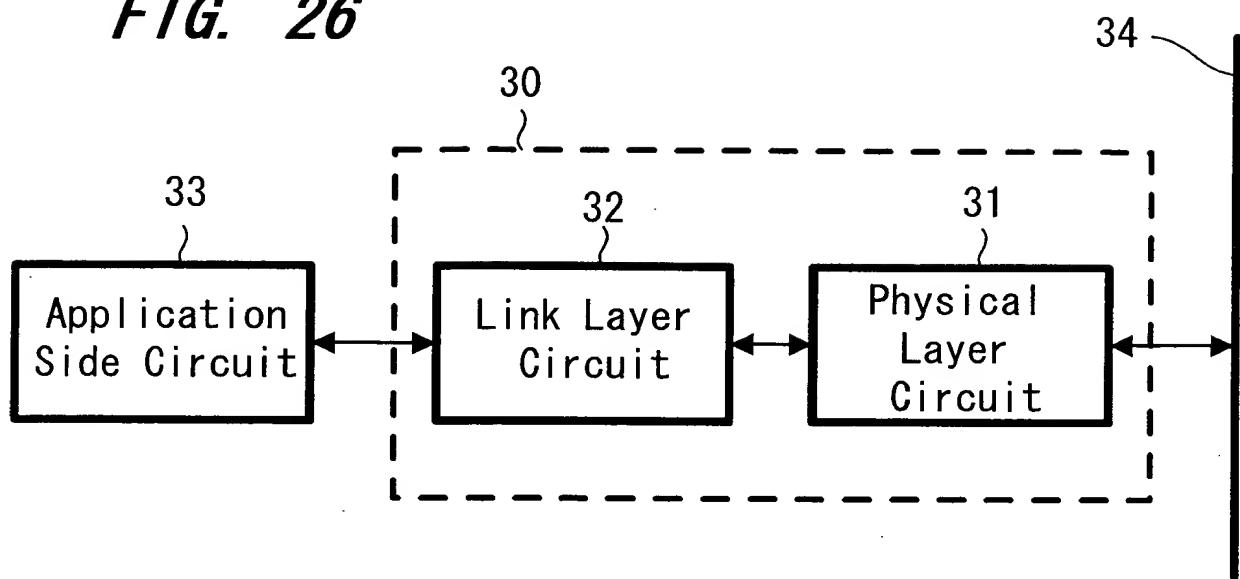


FIG. 27

